

Title (en)  
SYSTEM AND METHODS FOR DETERMINING AN ANALYTE CONCENTRATION INCORPORATING A HEMATOCRIT CORRECTION

Title (de)  
SYSTEM UND VERFAHREN ZUR BESTIMMUNG EINER ANALYTENKONZENTRATION MIT EINER HÄMATOKRIT-KORREKTUR

Title (fr)  
SYSTEME ET PROCEDES POUR DETERMINER LA CONCENTRATION D'ANALYTE COMPRENANT UNE CORRECTION D'HEMATOCRITE

Publication  
**EP 2076168 B2 20151111 (EN)**

Application  
**EP 07814573 A 20070830**

Priority  
• US 2007077236 W 20070830  
• US 84203206 P 20060905

Abstract (en)  
[origin: US8529741B2] Methods and devices for determining the concentration of a constituent in a physiological sample are provided. The blood sample is introduced into a test strip with portions of the blood sample being directed to both a first capillary and a second capillary. The first capillary configured to electrochemically determine a concentration of a first analyte in a blood sample by measuring a signal across a set of electrodes. The second capillary is configured to determine a hematocrit value of the blood sample by measuring a signal across a second set of electrodes.

IPC 8 full level  
**A61B 5/00** (2006.01); **C12Q 1/00** (2006.01); **G01N 33/00** (2006.01)

CPC (source: EP US)  
**A61B 5/14535** (2013.01 - EP US); **A61B 5/14546** (2013.01 - EP US); **A61B 5/1486** (2013.01 - EP US); **C12Q 1/006** (2013.01 - EP US); **G01N 27/3272** (2013.01 - EP US); **G01N 27/3274** (2013.01 - EP US); **G01N 33/66** (2013.01 - EP US); **A61B 2560/0209** (2013.01 - EP US); **A61B 2562/0295** (2013.01 - EP US); **A61B 2562/085** (2013.01 - EP US); **Y10T 29/49117** (2015.01 - EP US)

Citation (opposition)  
Opponent :  
• US 2004134779 A1 20040715 - HSU TIEN-TSAI [TW], et al  
• US 2004154923 A1 20040812 - MARQUANT MICHAEL [DE], et al  
• US 2004214345 A1 20041028 - MATZINGER DAVID P [US], et al  
• US 2003124738 A1 20030703 - CROSBY PETER A [US]  
• US 2004200721 A1 20041014 - BHULLAR RAGHBIR S [US], et al

Cited by  
CN111868514A; US9784707B2; US9739749B2; US11959872B2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**WO 2008030757 A1 20080313**; AT E539675 T1 20120115; EP 2076168 A1 20090708; EP 2076168 B1 20120104; EP 2076168 B2 20151111; TW 200819745 A 20080501; US 2008083618 A1 20080410; US 2012241318 A1 20120927; US 8529741 B2 20130910

DOCDB simple family (application)  
**US 2007077236 W 20070830**; AT 07814573 T 20070830; EP 07814573 A 20070830; TW 96132850 A 20070904; US 201213403318 A 20120223; US 84586007 A 20070828